State of North Carolina
Department of Environment,
Health and Natural Resources
Division of Solid Waste Management

James B. Hunt, Jr., Governor
Jonathan B. Howes, Secretary
William L. Meyer, Director

coal ash

September 12, 1994

Ms. Laura Seibert
ReUse Technology, Inc.
100 Chastain Center Blvd. Suite 155
Kennesaw, Georgia 30144

The Division of Solid Waste Management, (the "Division"), has received your Notification of a coal combustion by-product (ash) structural fill to be located at Rocky Mount, Nash County, N.C. and proposed to commence August 29, 1994.

Please be aware that the size of a fill project is not a decisive factor in determining if the services of a NC licensed professional engineer (PE) is necessary on a coal ash structural fill. The Section 1700 Rules do specify that a proposed fill site which anticipates utilization of 10,000 Yd^3 or more of ash must include a PE approved Construction Plan in the Notification. Regardless of the volume of coal ash used in a structural fill project, the Closure Rule, 15A N.C. Administrative Code 13B .1706, requires certification signed and sealed by a PE that all rules in Section .1700 have been met. These rules include, among other things, Rule 1704 (a)(4) certification that no coal ash has been placed within two feet of the seasonal high groundwater table and certification under Rule 1705 (c) that the coal ash has been placed uniformly and compacted in lifts not exceeding one foot in thickness, compacted to standards including in-situ density, compaction effort and relative density, specified by a PE for a specific end use purpose. Rule .1705 (c) engineering specifications must be designated before commencement of the fill. Moreover, a PE cannot certify that these rules have been met unless he or she has been involved in the project from the beginning and has made periodic inspections of the work in progress.

Analyses of groundwater samples collected from monitoring wells located at a North Carolina coal ash structural fill site indicate that the ash may have caused or contributed to violation of the 15A N.C. Administrative Code 2L Standards for arsenic, cadmium, chromium, lead, and selenium, as well as elevated sulfate levels. Based upon this information, the Solid Waste Division strongly recommends that you retain the services of a qualified hydrogeologic consulting firm to assist you in determining the vulnerability of the groundwater at the site based on site attenuation, waste extractability and end use to inhibit infiltration and consider installation of groundwater monitoring wells on vulnerable sites before commencing fill operations.

Copies of this letter are being sent to the Generators and Constructors, who are responsible for apprising the Owners of the land to be filled (if not the same party as the Generator/Constructor) of the Landowner's responsibility for groundwater contamination which may result from this coal ash structural fill.

Sincerely,

Dexter R. Matthews, Chief
Solid Waste Section

cc: Bill Hocutt, Solid Waste Section

Mark Casper
Cogentrix Eastern Carolina Corporation
P.O. Box 806
Rt. 11 North
Kenansville, NC 28349-0806

Mark Casper
Cogentrix of Rocky Mount, Inc.
P.O. Box 370
Rt. 2
State Road 1400
Battleboro, NC 27809

ReUse Technology, Inc.
PERMITTING • DISPOSAL PLANNING • REUSE

100 Chastain Center Blvd.
Suite 155
Kennesaw, Georgia 30144
Phone (404) 425-7676
Fax (404) 425-7681

May 28, 1992

Mr. A.B. Rose
P.O. Box 2282
Rocky Mount, NC 27802-2682

Re: Home Gallery Site

Dear Mr. Rose:

In compliance with the Structural Fill Placement Agreement dated May 31, 1991, Section 1.02(c), ReUse Technology, Inc. (RT) hereby notifies R&M Investments (R&M) that RT has fulfilled its contractual obligations to the property designated as the 301 Home Gallery Site.

On May 27, 1992 an inspection of the property was conducted in the presence of Mr. Rose, Tom Sears and Roger Claytor of RT. At this time Mr. Rose gave a verbal approval of completion to RT's personnel.

It shall be noted by both parties that May 27, 1992 shall become the "Date of Completion" according to Article II, Section 2.01, page 3 of the above mentioned agreement. Article I, Section 1.01 (d) specifies that upon the conclusion of fill placement R&M shall refill and respread the fill area with at least 6" of topsoil. This is in compliance with the North Carolina "Sedimentation Pollution Control Act of 1973", (1973, c.392, 5.1). On May 28, 1992 a copy of this letter has been sent to the regulating state and local government authorities fulfilling RT's obligation to notify them of project completion.

Enclosed for your records are copies of compaction tests taken at various intervals, as required.

RT appreciates our business relationship with R&M and is looking forward to future projects with R&M.

If any questions arise, please do not hesitate to call me at (404)425-7676.

Sincerely,

ReUse Technology, Inc.

Kris Johnson
Manager Project Planning
and Finance

KJ/mlb

cc: Steve Critchfield
Virgil Hutchinson
Bob Waldrop
Terry Dover - North Carolina Department of Environment, Health and Natural Resources
Doug Jordan - City of Rocky Mount

Enclosures

SOIL DENSITY TEST REPORT

CLIENT: RE-USE TECHNOLOGIES
PROJECT: REUSE TECHNOLOGY

DATE : 06/03/92
PROJECT NO: 1053-90-198-

TEST DATE	TEST NO.	WET WEIGHT (PCF)	PERCENT MOISTURE	DRY DENSITY (PCF)	MAX. DRY DENSITY (PCF)	OPTIMUM MOISTURE (%)	PERCENT COMPACTION ACTUAL	PERCENT COMPACTION SPECIFIED	LOCATION	DEPTH
05/27/92	37	96.99	24.69	77.79	70.70	32.00	100.0+	95	AB ROSE 301 50'E 75'S #1 UTILITY POLE #1	99.5
05/27/92	38	98.06	23.23	79.58	77.20	29.90	100.0+	95	SOUTH 50'E 25'N #4 UTILITY POLE #2	99.5
05/27/92	39	96.23	25.00	76.99	75.10	32.10	100.0+	95	SOUTH 200'E 50'S #4 UTILITY POLE #3	99.5
05/27/92	40	95.28	25.39	75.99	75.50	37.00	100.0+	95	200'E 20'N OF #1 UTILITY POLE #4	99.5
05/27/92	41	97.35	24.46	78.22	75.70	30.90	100.0+	95	125'E 50'S #2 UTILITY POLE #5	99.5

NOTE : TEST 32 TO 36
FOUNTAIN INDUSTRIAL LOT #1
TEST 37 TO 41 AB ROSE
301 SOUTH.

Distribution : BOB WALDROP

N E Johnson

Westinghouse Environmental
and Geotechnical Services, Inc.

3100 Spring Forest Road (27604)
P.O. Box 55069
Raleigh, North Carolina 27658-8069
(919) 872-2660
Fax (919) 790-9827

September 26, 1991

Post-It™ brand fax transmittal memo 7671 | # of pages ▸

To Kris	From Steve
Co.	Co.
Dept. You have 3 separate faxes	Phone #
Fax # 5 pgs. ; 4 pgs.	Fax # ; 3 pgs.

ReUse Technologies
100 Chastain Court Blvd.
Suite 155
Kennesaw, Georgia 30144

Attention: Don Galloway

Reference: Field Density Test Results
ReUse Technologies Landfill
Rocky Mount, North Carolina
Job Number 1053-90-198

Gentlemen:

Please find enclosed results of the field density test(s) performed on September 17, 1991, at the above referenced project.

If you have any questions or comments concerning these results, please contact our office.

Very truly yours,

WESTINGHOUSE ENVIRONMENTAL AND
GEOTECHNICAL SERVICES, INC.

Donnell E. Johnson, P.E.
Field Services Manager

DEJ/

Enclosure(s)

SOIL DENSITY TEST REPORT

CLIENT: RE-USE TECHNOLOGIES
PROJECT: REUSE TECHNOLOGY

DATE : 09/26/91
PROJECT NO: 1053-90-198-

TEST DATE	TEST NO.	WET WEIGHT (PCF)	PERCENT MOISTURE	DRY DENSITY (PCF)	MAX. DRY DENSITY (PCF)	OPTIMUM MOISTURE (%)	PERCENT COMPACTION ACTUAL	PERCENT COMPACTION SPECIFIED	LOCATION	DEPTH
09/17/91	23	93.27	14.42	81.52	73.00	25.50	100.0+	95	103'E 81'S FROM NW CRN	39.5
09/17/91	24	88.92	20.19	73.98	74.00	29.00	100.0	95	135'E 191'S FROM NW CRN	93.76

Distribution : DON GALLOWAY

ReUse Technology, Inc.
PERMITTING • DISPOSAL PLANNING • REUSE

100 Chastain Center Blvd
Suite 155
Kennesaw, Georgia 30144
Phone (404) 425-7676
Fax (404) 425-7681

Fountain Industrial Park
P.O. Box 1179
Rocky Mount, North Carolina 27802
Phone (919) 448-5927

TO: Mr. A. B. Rose

FROM: Virgil Hutchinson VH
Project Engineer/Asst. Site Mgr.

DATE: September 17, 1991

SUBJECT: Soil Density Test

Approximately 5,000 cubic yards of ash has been placed on your ash fill project by ReUse Technology, Inc. A copy of the field report of the two soil density tests performed by Westinghouse Environmental (Job #53-90-198) is attached for you file. A map of the tested area is also enclosed.

Test No. 1 % Compaction 100+

Test No. 2 % Compaction 100

If you have any questions, please feel free to call me anytime.

VLH/bbp
Attachments

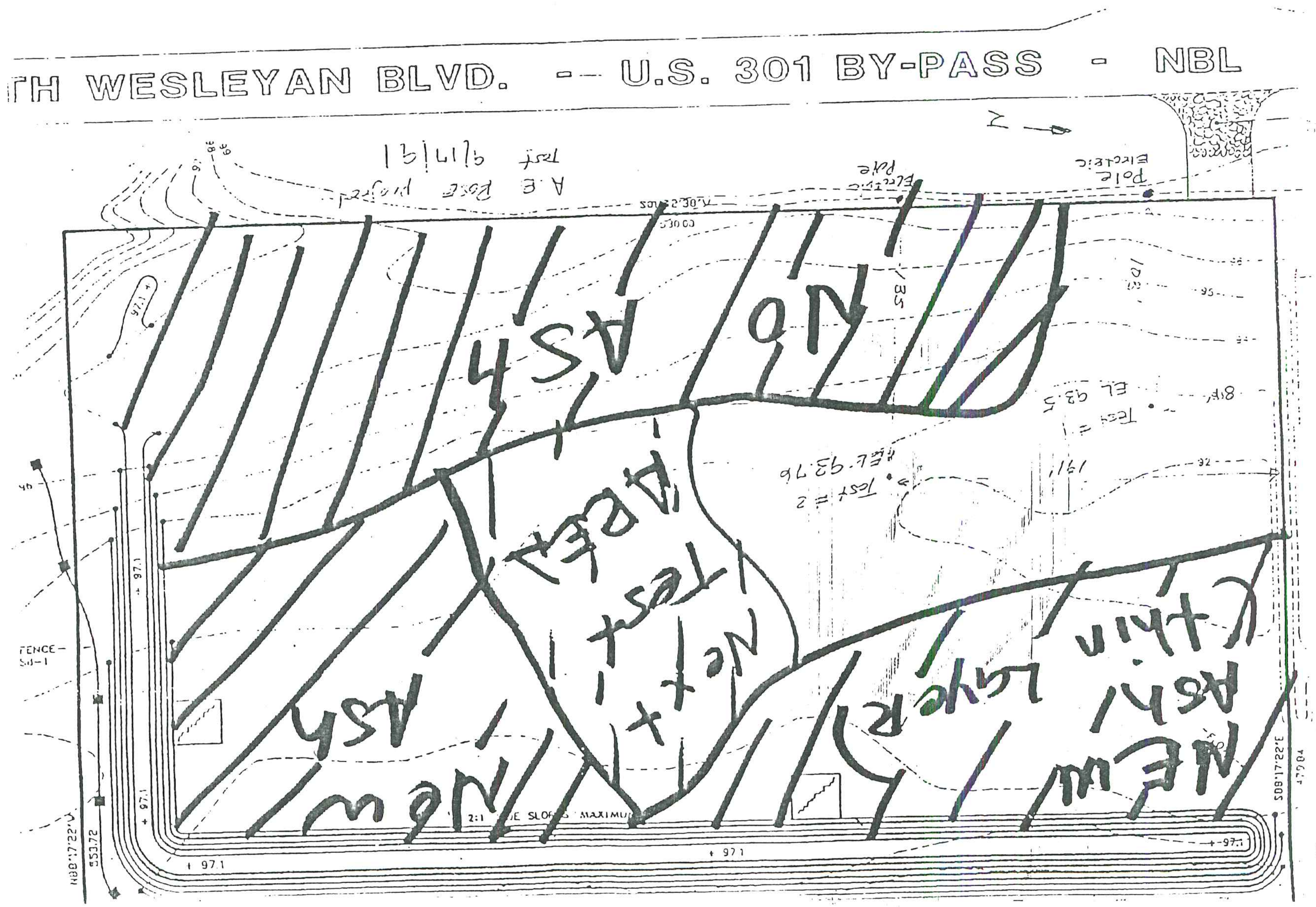
Westinghouse Environmental and Geotechnical Services, Inc.

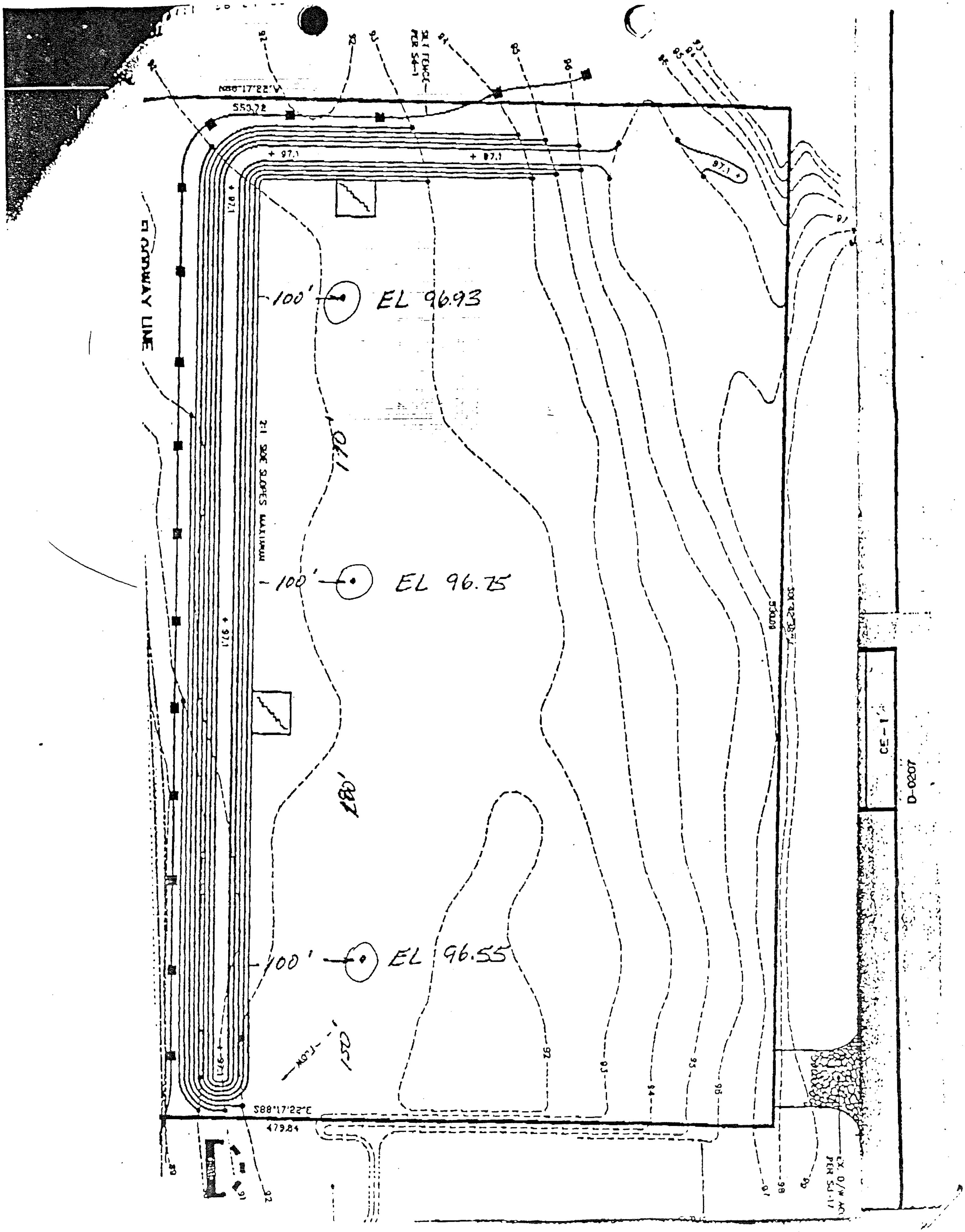
JOB NO. 53-90-198
PROJECT REUSE TECHNOLOGY

SAND CONE FIELD DENSITY WORKSHEET

TEST NO.							
DATE	9-17	9-17					
A. Initial Weight Jar & Sand	14.36	14.75					
B. Weight Jar & Sand Retained	4.87	5.38					
C. Weight Sand Used (A-B)	9.49	9.37					
D. Weight Sand in Cone & Plate	3.39	3.39					
E. Sand Used in Hole (C-D)	6.10	5.98					
F. Weight Sand per Cu. Ft.	86.60	86.60					
G. Volume Hole (E/F)	.0704	.0691					
H. Wet Weight Rock Soil & Container	6.59	6.16					
I. Weight Container	.02	.02					
J. Wet Weight Soil	6.57	6.14					
K. Wet Weight Soil/Cu. Ft. (J/G)	93.3	88.9					
L. Wet Weight Moisture Sample	200.0	200.0					
M. Dry Weight Moisture Sample	174.8	166.4					
N. Weight Water	25.2	33.6					
O. Moisture Content (N/M)	14.4	20.2					
P. Dry Weight per Cu. Ft. (K/1+O)	81.6	74.0					
ONE POINT PROCTOR DETERMINATION	ASTM D698 ✓					ASTM D1557 ____	
Q. Weight of Soil & Mold	12.42	12.35					
R. Weight of Mold	9.57	9.57					
S. Mold Volume Factor	30.22	30.22					
T. Wet Weight (Cubic Feet) ((Q-R)xS)	86.1	84.0					
U. Dry Weight (Cubic Feet) (T/(1+Y)	75.3	69.9					
V. Wet Weight Moisture Sample	200.0	200.0					
W. Dry Weight Moisture Sample	174.8	166.4					
X. Weight of Water (V-W)	25.2	33.6					
Y. Moisture Content (X/W)	14.4	20.2					
MAXIMUM DRY DENSITY	73.0	74.0					
OPTIMUM MOISTURE CONTENT	~~25.5~~	~~29.0~~					
% COMPACTION	102%	100%					
TEST LOCATION	103'E 81'S FR NW CORNER	~~135'E~~ 191'S FR NW CORNER					
Test Elevation	93.5	93.76					
Soil Classification	#2	#1					
Percent Compaction Required	95%	95%					

TECHNICIAN


TH WESLEYAN BLVD. -- U.S. 301 BY-PASS - NBL
A.E. Rose project
Test 9/11/91
Pole Electric
Electric Pole
Test # 1
EL 93.5
Test # 2
EL 93.76
New Ash
Next Test Area
Ash
New Ash Layer (thin)
2:1 SIDE SLOPES MAXIMUM
FENCE
+ 97.1


N88°17'22"W
559.72
SILT FENCE PER SA-1
+ 97.1
FLOODWAY LINE
2:1 SIDE SLOPES MAXIMUM
100'
EL 96.93
EL 96.75
EL 96.55
FLOW
S88°17'22"E
479.84
CE-1
D-0207
CX. D/W AC PER SA-11

Westinghouse Environmental
and Geotechnical Services, Inc.

3100 Spring Forest Road (27604)
P.O. Box 5699
Raleigh, North Carolina 27650-6699
(919) 872-6660
Fax (919) 790-1627

February 21, 1992

ReUse Technologies
100 Chastain Court Blvd.
Suite 155
Kennesaw, Georgia 30144

Attention: Bob Waldrop

Reference: Field Density Test Results
ReUse Technologies Landfill
Rocky Mount, North Carolina
Job Number 1053-90-198

Gentlemen:

Please find enclosed results of the field density test(s) performed on February 11, 1992, at the above referenced project.

If you have any questions or comments concerning these results, please contact our office.

Very truly yours,

WESTINGHOUSE ENVIRONMENTAL AND
GEOTECHNICAL SERVICES, INC.

Donnell E. Johnson, P.E.
Field Services Manager

DEJ/

Enclosure(s)

SOIL DENSITY TEST REPORT

CLIENT: RE-USE TECHNOLOGIES DATE : 02/21/92
PROJECT: REUSE TECHNOLOGY PROJECT NO: 1053-90-198-

TEST DATE	TEST NO.	WET WEIGHT (PCF)	PERCENT MOISTURE	DRY DENSITY (PCF)	MAX. DRY DENSITY (PCF)	OPTIMUM MOISTURE (%)	PERCENT COMPACTION ACTUAL	PERCENT COMPACTION SPECIFIED	LOCATION	DEPTH
02/11/92	29	90.36	29.68	69.68	72.30	32.00	96.4	95	SEE ATTACHED MAP	96.93
02/11/92	30	87.35	24.03	70.42	72.60	31.00	97.0	95	SEE ATTACHED MAP	96.75
02/11/92	31	89.75	34.47	66.74	70.30	33.70	94.9	95	SEE ATTACHED MAP	96.55

stribution : BOB WALDROP

Westinghouse Environmental and Geotechnical Services, Inc.
3109 Spring Forest Road
P.O. Box 58069
Raleigh, North Carolina 27658-8069
(919) 872-2660
Fax (919) 790-9827

PROJECT: REUSE TECHNOLOGIES	
LOCATION: ROCKY MT, N.C.	
DATE: 2.11.92	JOB NO.
CONTRACTOR: REUSE TECH	OWNER: AB ROSE
WEATHER: CLOUDY : LT. RAIN	TEMP. ° AM ° PM
PRESENT AT SITE: PAT McKENNA - (W)	
VIRGIL HUTCHINSON - REUSE TECH.	

TO

THE FOLLOWING WAS NOTED:

TIME:

MILEAGE:

TECH. VISITED THE AB ROSE JOB SITE AND PERFORMED THREE SAND CONE DENSITY/COMPACTION TESTS OF FLY ASH FILL MATERIAL. THE TESTS YEILDED 96.4, 97.1 AND 94.9 % COMPACTION. I INFORMED CONTRACTOR OF RESULTS. CONTRACTOR IS TO SUPPLY (W) WITH PHYSICAL LOCATIONS AND ELEVATIONS AFTER COMPLETING SURVEY.

COPIES TO

FIELD REPORT

SIGNED Pat McK

Westinghouse Environmental and Geotechnical Services, Inc.

JOB NO. 90-198

PROJECT AB ROSE 301 SOUTH

SAND CONE FIELD DENSITY WORKSHEET

TEST NO.							
DATE	MAY	27	→		→		
A. Initial Weight Jar & Sand	12.10		12.37		13.02		
B. Weight Jar & Sand Retained	5.20		6.57		6.34		
C. Weight Sand Used (A-B)	6.90		6.30		6.68		
D. Weight Sand in Cone & Plate	3.45		3.48		3.50		
E. Sand Used in Hole (C-D)	3.45		2.82		3.18		
F. Weight Sand per Cu. Ft.	86.69		86.69		86.89		
G. Volume Hole (E/F)	.0398		.0325		.0367		
H. Wet Weight Rock Soil & Container	3.87		3.20		3.54		
I. Weight Container	.01		.01		.01		
J. Wet Weight Soil	3.86		3.19		3.53		
K. Wet Weight Soil/Cu. Ft. (J/G)	97.0		98.2		96.2		
L. Wet Weight Moisture Sample	200		200		200		
M. Dry Weight Moisture Sample	160.4		162.3		160.0		
N. Weight Water	39.6		37.7		40.0		
O. Moisture Content (N/M)	24.7		23.2		25.0		
P. Dry Weight per Cu. Ft. (K/1+O)	77.8		79.7		77.0		
ONE POINT PROCTOR DETERMINATION	ASTM D698					ASTM D1557	
Q. Weight of Soil & Mold	12.20		12.29		12.18		
R. Weight of Mold	9.44		9.44		9.44		
S. Mold Volume Factor	30.14		30.14		30.14		
T. Wet Weight (Cubic Feet)((Q-R)xS)	83.2		85.9		82.6		
U. Dry Weight (Cubic Feet)(T/(1+Y)	66.7		69.7		66.1		
V. Wet Weight Moisture Sample	200		200		200		
W. Dry Weight Moisture Sample	160.4		162.3		160.0		
X. Weight of Water (V-W)	39.6		37.7		40.0		
Y. Moisture Content (X/W)	24.7		23.2		25.0		
MAXIMUM DRY DENSITY	70.7		77.2		75.1		
OPTIMUM MOISTURE CONTENT	32.0		29.9		32.1		
% COMPACTION	100%		100%		100%		
TEST LOCATION	AB ROSE 301 SOUTH 50' E 75' S OF UTILITY #1	#1 POLE	50' E 25' N OF UTILITY #2	UTILITY POLE	200' E 50' S OF #4 #3	UTILITY POLE	
Test Elevation	99.5	→			→		
Soil Classification							
Percent Compaction Required	95%	→			→		

TECHNICIAN Michael Stanley

1308

Westinghouse Environmental and Geotechnical Services, Inc.

JOB NO. 90-193

PROJECT AB ROSE 301 SOUTH

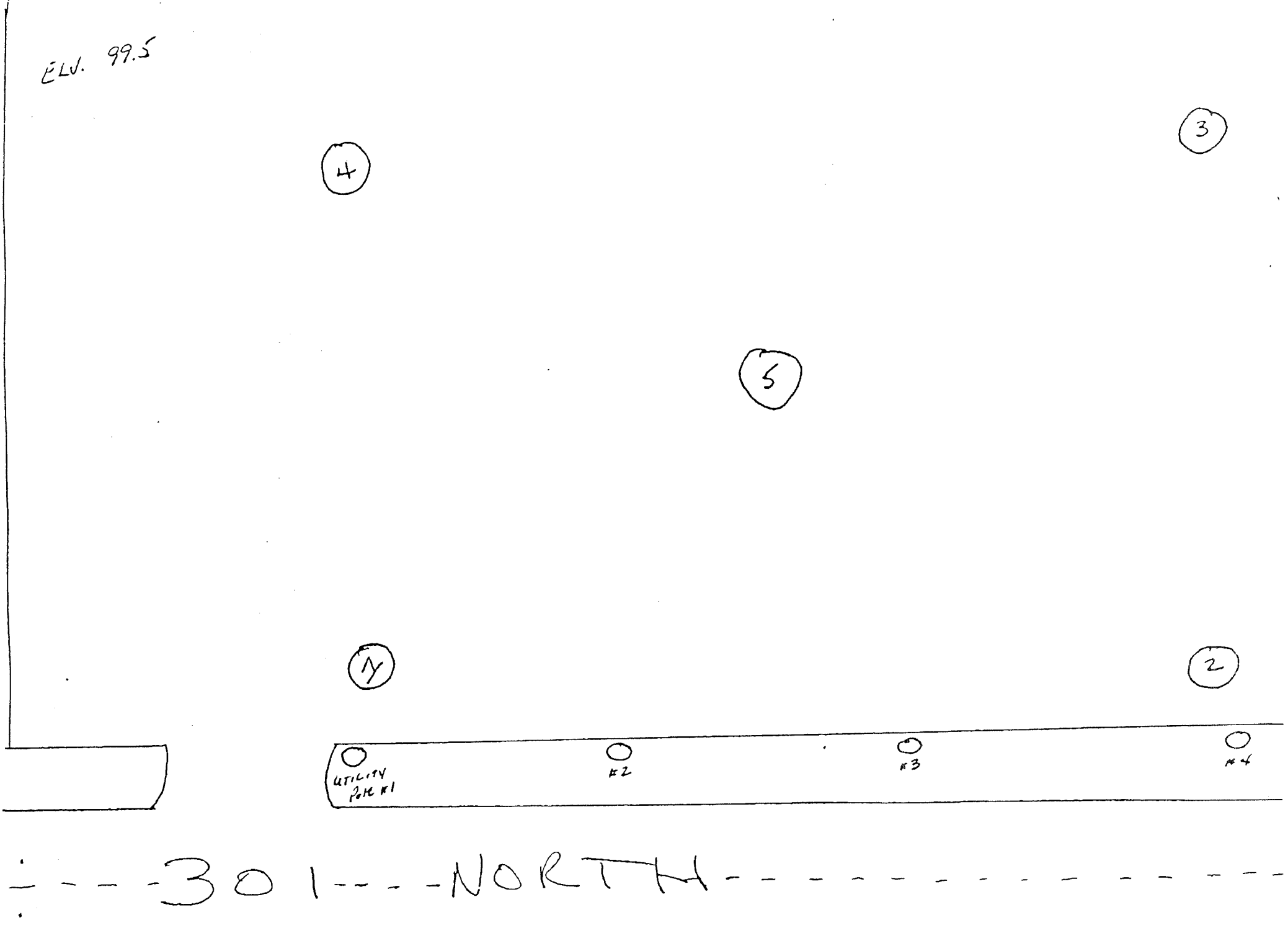
SAND CONE FIELD DENSITY WORKSHEET

TEST NO.							
DATE	MAY 27	→					
A. Initial Weight Jar & Sand	13.11		13.30				
B. Weight Jar & Sand Retained	6.34		6.07				
C. Weight Sand Used (A-B)	6.77		7.23				
D. Weight Sand in Cone & Plate	3.44		3.49				
E. Sand Used in Hole (C-D)	3.33		3.74				
F. Weight Sand per Cu. Ft.	86.69		86.69				
G. Volume Hole (E/F)	.0384		.0431				
H. Wet Weight Rock Soil & Container	3.67		4.21				
I. Weight Container	.01		.01				
J. Wet Weight Soil	3.66		4.20				
K. Wet Weight Soil/Cu. Ft. (J/G)	95.3		97.4				
L. Wet Weight Moisture Sample	200		200				
M. Dry Weight Moisture Sample	159.5		160.7				
N. Weight Water	40.5		39.3				
O. Moisture Content (N/M)	25.4		24.5				
P. Dry Weight per Cu. Ft. (K/1+O)	76.0		78.2				
ONE POINT PROCTOR DETERMINATION	ASTM D698					ASTM D1557	
Q. Weight of Soil & Mold	12.28		12.28				
R. Weight of Mold	9.44		9.44				
S. Mold Volume Factor	30.14		30.14				
T. Wet Weight (Cubic Feet) ((Q-R)xS)	85.6		85.6				
U. Dry Weight (Cubic Feet) (T /(1+Y)	68.3		68.8				
V. Wet Weight Moisture Sample	200		200				
W. Dry Weight Moisture Sample	159.5		160.7				
X. Weight of Water (V-W)	40.5		39.3				
Y. Moisture Content (X/W)	25.4		24.5				
MAXIMUM DRY DENSITY	75.5		75.7				
OPTIMUM MOISTURE CONTENT	30.7		30.9				
% COMPACTION	100%		100%				
TEST LOCATION	200' E 20' N OF #1 UTILITY POLE #4		125' E 50' S OF #2 UTILITY POLE #5				
Test Elevation	99.5	→	→				
Soil Classification							
Percent Compaction Required	95%	→	→				

TECHNICIAN Michael Stanley

M.D. KOSE 301 SOUTH

ELV. 99.5



State of North Carolina
Department of Environment, Health, and Natural Resources
Division of Solid Waste Management
South Central Regional Office • 225 Green Street, Suite 601 • Fayetteville, North Carolina 28301
Telephone: (919) 486-1191
FAX: (919) 486-1791

James G. Martin, Governor
William W. Cobey, Jr., Secretary

William L. Meyer
Director

March 18, 1991

Robert J. Waldrop
Environmental Manager
ReUse Technology, Inc.
100 Chastain Center Blvd., Suite 155
Kennesaw, Georgia 30144

Subject: 3.8 Acres, Home Gallery Site,
U.S. 301, Rocky Mount, N.C.

Dear Mr. Waldrop:

The Solid Waste Section has evaluated the subject site and plan submitted on February 28, 1991 for utilization of fly ash as structural fill. Based upon the information received, the project appears to meet the guidelines for such use.

If you have any questions, do not hesitate to contact our office.

Sincerely,

Terry F. Dover

Terry F. Dover
Eastern Area Supervisor
Solid Waste Section

cc: James C. Coffey
Fred J. Wood

ReUse Technology, Inc.

PERMITTING · DISPOSAL PLANNING · REUSE

100 Chastain Center Blvd.
Suite 155
Kennesaw, Georgia 30144
Phone (404) 425-7676
Fax (404) 425-7681

February 28, 1991

Mr. Terry Dover
North Carolina Department of Environment,
Health and Natural Resources
Solid Waste Management Section
225 Green Street; Suite 601
Fayetteville, North Carolina 28301

Dear Mr. Dover:

We are seeking approval to utilize coal ash on approximately 3.8 acres of commercial property located along Highway 301 in Rocky Mount, North Carolina. We propose to use the coal ash as structural fill material in the development of the tract shown in the enclosed plan. The coal ash to be used in this development project will be obtained from Cogentrix's fossil plants. The results of EP Toxicity tests performed on representative samples of coal ash are also enclosed. This placement will be conducted in the same manner as approved by the Raleigh office in the development of Fountain Industrial Park and an adjacent tract of land also on Highway 301.

As previously approved, we will agree to the following conditions:

1. To prevent dusting, all ash will be conditioned to 15% moisture and transported in tarped dump trucks.

2. To facilitate compaction, the moisture of the ash will be adjusted at the site by use of a water wagon.

3. All coal ash structural fill within the development area will be capped with a minimum of 6 inches of earth cover.

4. Slopes will receive 12 inches minimum compacted earth and 6 inches of topsoil.

5. Site development will be in accordance with an approved soil erosion and sediment control plan.

6. Approval for use of coal ash fill shall become voidable unless the facility is constructed in accordance with the approved plans, specifications, and supporting data.

7. Approval is subject to the nature and volume of ash materials discussed and other supporting data.

8. The facility shall be properly maintained and operated at all times.

9. This approval is not transferrable.

10. In the event that the facility fails to perform satisfactorily, including the creation of nuisance conditions, ReUse Technology shall take such immediate corrective action as may be required by the Solid Waste Management Section including the construction of additional or replacement waste water treatment or disposal facilities.

11. Approval may be rescinded unless the reuse program is carried out in a manner which will protect the assigned water quality and groundwater quality standards.

12. All ash utilization on roadways shall be performed in accordance with North Carolina Department of Transportation specifications.

13. The facility shall be effectively maintained and operated as a non-discharge system to prevent the discharge of any wastewater resulting from the operation of this facility.

14. The issuance of this approval shall not relieve ReUse Technology of the responsibility for damages to surface or groundwaters resulting from the operation of this facility.

15. Adequate records of the ash reuse program shall be maintained by ReUse Technology. These records shall include but are not necessarily limited to the following:
    a. date of ash application,
    b. type of ash used,
    c. type of application
    d. volume of ash applied in tons,
    e. location of use, and
    f. ash receiver.

16. No ash shall be placed within 100 feet of any water supply well.

17. No ash shall be placed within one foot of the mean seasonal high water table.

18. ReUse Technology shall provide an ash analysis to all users.

19. The following buffers shall be maintained:
    a. 100 feet between application area and any residence, place of business, or place of public assembly, unless permission is first obtained by the property owner.
    b. 50 feet between any application area and any stream, creek, lake, pond or other surface water body.
    c. 100 feet between application area and property lines unless permission is first obtained from adjacent property owners.

20. Adequate provisions shall be taken to prevent wind erosion and surface runoff from conveying pollutants from the ash application area onto the adjacent property or into the surface waters.

21. The following uses of ash are hereby authorized:
    a. Fly ash and bottom ash may be used for structural fills such as roadway embankments and foundations.
    b. Fly ash and bottom ash may be used for backfill materials around water, sewer, and storm drain piping.
    c. Bottom ash may be used for secondary road overlay.

Your prompt attention to this request would be greatly appreciated. To support the needs of our client, we would like to begin this project on March 15, 1991. If there are any questions or if you would like a site visit, please call Bob Waldrop at (404) 425-7676.

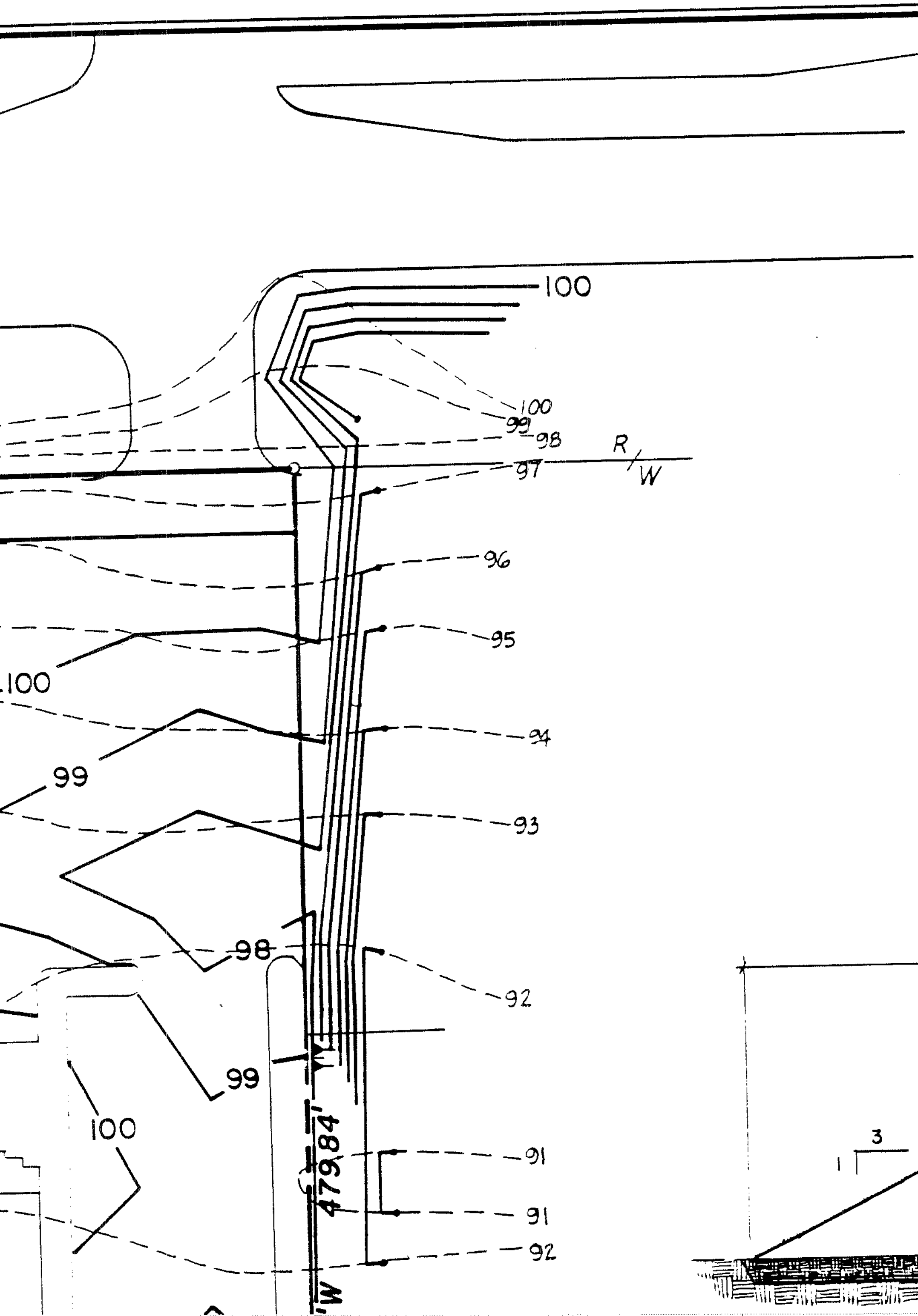
Yours very truly,

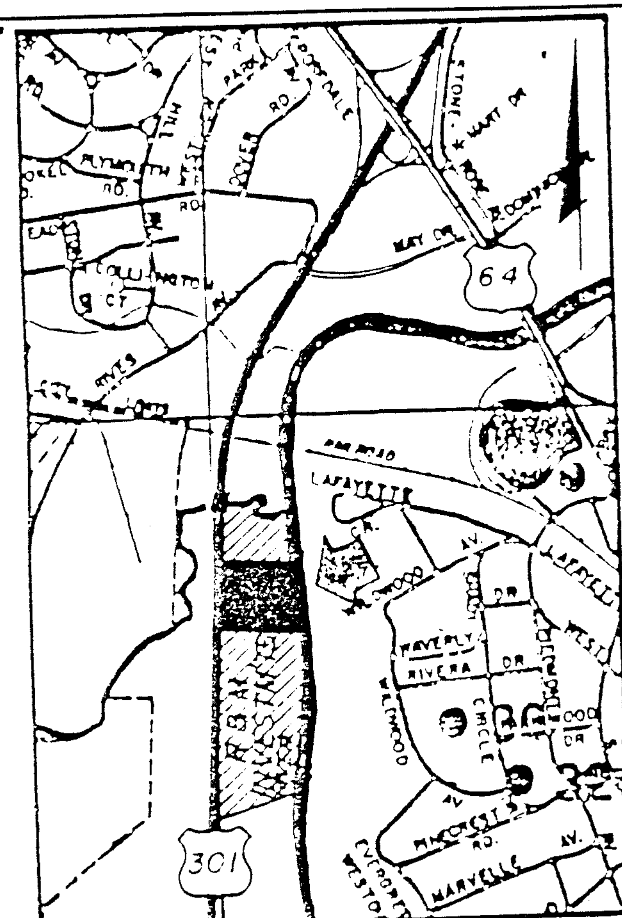
RJ Waldrop

Robert J. Waldrop
Environmental Manager

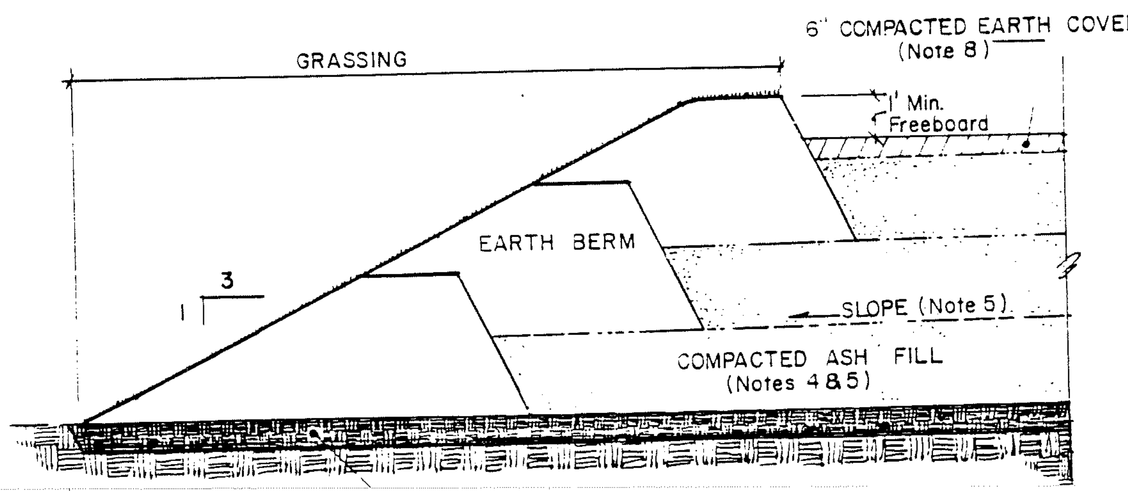
RJW/pmc

Attachments





LOCATION MAP
NOT TO SCALE



--- Project Information ---

Lab Number : 89-4935-08
Project No. : 31618 Cust. No. :
Project Name : REUSE TECHNOLOGY

Manager: WENDY WOLFE

--- Sample Information ---

Station ID : RT 8
Matrix : SO
Type : GRAB
Collector : RW

Sampled Date/Time : 12/13/89
Received Date/Time : 12/13/89 14:15
Received From/By : RW/RKB
Chain of Custody : 7802
Number of Containers : 1

Remarks :

--- Test Data ---

arameter.....	Method....	Units	PQL.....	Results...	Test Date	Analy
-- SERIES 8000						
rsenic, EP Toxicity	EPA 7060	mg/l	0.05	ND	12/29/89	DF
arium, EP Toxicity	EPA 6010	mg/l	0.5	ND	12/22/89	DF
admium, EP Toxicity	EPA 7131	mg/l	0.01	0.02	12/29/89	DF
hromium, EP Toxicity	EPA 7191	mg/l	0.05	ND	12/29/89	DF
ead, EP Toxicity	EPA 7420	mg/l	0.1	0.1	12/21/89	DF
ercury, EP Toxicity	EPA 7470	mg/l	0.002	ND	12/28/89	HH
elenium, EP Toxicity	EPA 7740	mg/l	0.01	ND	12/29/89	DF
ilver, EP Toxicity	EPA 7760	mg/l	0.05	ND	12/21/89	DF
otal Metals Prep: Aqueous ICP	EPA 3010			N/A	12/20/89	DE
otal Metals Prep: Aqueous AA Flame	EPA 3010			N/A	12/20/89	DE
otal Metals Prep: Aqueous Furnce	EPA 3020			N/A	12/20/89	DE
xtraction Procedure (EP) Toxicity	EPA 1310			N/A	12/20/89	DE

Hopewell Combined Ash

Signed Chris Maly

--- Project Information ---

Lab Number : 89-4935-16
Project No. : 31618
Project Name : REUSE TECHNOLOGY

Cust. No. :

Manager: WENDY WOLFE

--- Sample Information ---

Station ID : RT 16
Matrix : SO
Type : GRAB
Collector : RW

Sampled Date/Time : 12/13/89
Received Date/Time : 12/13/89 14:15
Received From/By : RW/RKB
Chain of Custody : 7803
Number of Containers : 1

Remarks :

--- Test Data ---

arameter.....	Method....	Units	PQL.....	Results...	Test Date	Analy
-- SERIES 8000						
rsenic, EP Toxicity	EPA 7060	mg/l	0.05	ND	01/02/90	DF
arium, EP Toxicity	EPA 6010	mg/l	0.5	ND	12/22/89	DF
admium, EP Toxicity	EPA 7131	mg/l	0.01	0.02	12/29/89	DF
hromium, EP Toxicity	EPA 7191	mg/l	0.05	ND	12/29/89	DF
ead, EP Toxicity	EPA 7420	mg/l	0.1	0.2	12/21/89	DF
ercury, EP Toxicity	EPA 7470	mg/l	0.002	ND	12/28/89	HH
elenium, EP Toxicity	EPA 7740	mg/l	0.01	ND	01/02/90	DF
ilver, EP Toxicity	EPA 7760	mg/l	0.05	ND	12/21/89	DF
otal Metals Prep: Aqueous ICP	EPA 3010			N/A	12/20/89	DE
otal Metals Prep: Aqueous AA Flame	EPA 3010			N/A	12/20/89	DE
otal Metals Prep: Aqueous Furnce	EPA 3020			N/A	12/20/89	DE
xtraction Procedure (EP) Toxicity	EPA 1310			N/A	12/20/89	DE

Portsmouth Combined Ash

Signed

LAW ENVIRONMENTAL NATIONAL LABORATORIES
TEST DATA REPORT

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--- Project Information ---

Lab Number : 89-4935-24
Project No. : 31618
Project Name : REUSE TECHNOLOGY

Cust. No. :

Manager: WENDY WOLFE

--- Sample Information ---

Station ID : RT 24
Matrix : SO
Type : GRAB
Collector : RW

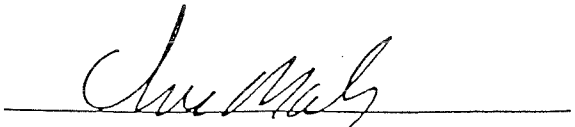
Sampled Date/Time : 12/13/89
Received Date/Time : 12/13/89 14:15
Received From/By : RW/RKB
Chain of Custody : 7804
Number of Containers : 1

Remarks :

--- Test Data ---

arameter.....	Method....	Units	PQL.....	Results...	Test Date	Analy
-- SERIES 8000						
rsenic, EP Toxicity	EPA 7060	mg/l	0.05	ND	01/02/90	DF
arium, EP Toxicity	EPA 6010	mg/l	0.5	ND	12/22/89	DF
admium, EP Toxicity	EPA 7131	mg/l	0.01	ND	12/29/89	DF
hromium, EP Toxicity	EPA 7191	mg/l	0.05	ND	12/29/89	DF
ead, EP Toxicity	EPA 7420	mg/l	0.1	0.1	12/21/89	DF
ercury, EP Toxicity	EPA 7470	mg/l	0.002	ND	12/28/89	HH
elenium, EP Toxicity	EPA 7740	mg/l	0.01	ND	01/02/90	DF
ilver, EP Toxicity	EPA 7760	mg/l	0.05	ND	12/21/89	DF
otal Metals Prep: Aqueous ICP	EPA 3010			N/A	12/20/89	DE
otal Metals Prep: Aqueous AA Flame	EPA 3010			N/A	12/20/89	DE
otal Metals Prep: Aqueous Furnce	EPA 3020			N/A	12/20/89	DE
xtraction Procedure (EP) Toxicity	EPA 1310			N/A	12/20/89	DE

Roxboro Bottom Ash

Signed 

LAW ENVIRONMENTAL NATIONAL LABORATORIES
TEST DATA REPORT

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--- Project Information ---

Lab Number : 89-4935-25
Project No. : 31618 Cust. No. :
Project Name : REUSE TECHNOLOGY

Manager: WENDY WOLFE

--- Sample Information ---

Station ID : RT 25
Matrix : SO
Type : GRAB
Collector : RW

Sampled Date/Time : 12/13/89
Received Date/Time : 12/13/89 14:15
Received From/By : RW/RKB
Chain of Custody : 7804
Number of Containers : 1

Remarks :

--- Test Data ---

arameter.....	Method....	Units	PQL.....	Results...	Test Date	Analy
-- SERIES 8000						
rsenic, EP Toxicity	EPA 7060	mg/l	0.05	ND	01/02/90	DF
arium, EP Toxicity	EPA 6010	mg/l	0.5	ND	12/22/89	DF
admium, EP Toxicity	EPA 7131	mg/l	0.01	ND	12/29/89	DF
hromium, EP Toxicity	EPA 7191	mg/l	0.05	ND	12/29/89	DF
ead, Ep Toxicity	EPA 7421	mg/l	0.05	0.05	12/29/89	DF
ercury, EP Toxicity	EPA 7470	mg/l	0.002	ND	12/28/89	HH
elenium, EP Toxicity	EPA 7740	mg/l	0.01	ND	01/02/90	DF
ilver, EP Toxicity	EPA 7760	mg/l	0.05	ND	12/21/89	DF
otal Metals Prep: Aqueous ICP	EPA 3010			N/A	12/20/89	DE
otal Metals Prep: Aqueous AA Flame	EPA 3010			N/A	12/20/89	DE
otal Metals Prep: Aqueous Furnce	EPA 3020			N/A	12/20/89	DE
xtraction Procedure (EP) Toxicity	EPA 1310			N/A	12/20/89	DE

Roxboro Fly Ash

Signed _____

Home Gallery Site
US 301, Rocky Mount

3/18/91

3.8 acres

Ash from Cogentrix fossil plants, none specified in written request but data submitted for Hopewell, Portsmouth, and Roxboro.

EP Tox Data Submitted (mg/l):

	PDWS	DETLIMIT	ROXB	ROXF	PORTSMOUTH	HOPEWELL
As	0.05	0.05	ND	ND	ND	ND
Ba	1.0	0.5	ND	ND	ND	ND
Cd	0.01	0.01	ND	ND	0.02	0.02
Cr	0.05	0.05	ND	ND	ND	ND
Pb	0.05	0.1	0.1	0.05	0.2	0.1
Hg	0.002	0.002	ND	ND	ND	ND
Se	0.01	0.01	ND	ND	ND	ND
Ag	0.05	0.05	ND	ND	ND	ND

— det limit too high

—> Drinking Water MCL

—> 5x Drinking Water MCL (None)